

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1.-11. (CANCELLED)

12.(NEW) An information recording medium comprising:

a first recording layer for recording and
a second recording layer for recording, said first recording layer and said second recording layer arranged in this order as viewed from an irradiation side of the laser light, wherein

said second recording layer has a predetermined area in which power calibration is performed to detect an optimum recording power of the laser light for recording, which is transmitted through said first recording layer, and

said first recording layer has a facing area which faces the predetermined area, the facing area having embossed pits, and light transmittance of the facing area being same as that of a recorded area on said first recording layer.

13.(NEW) The information recording medium according to claim 12, wherein the predetermined area is smaller than the facing area.

14.(NEW) The information recording medium according to claim 12, wherein encryption information for encrypting or decrypting a record information is recorded by forming the embossed pits, in the facing area.

15.(NEW) The information recording medium according to claim 12, wherein control information for controlling at least one

of a recording operation and a reproduction operation of the record information is recorded by forming the embossed pits, in the facing area.

16.(NEW) The information recording medium according to claim 12, wherein

at least one of said first recording layer and said second recording layer further has a management information recording area to record therein management information, and identification information for identifying whether or not the embossed pits are formed in the facing area, is recorded in the management information recording area, as the management information.

17.(NEW) The information recording medium according to claim 12, wherein said first recording layer has a first predetermined area in which the power calibration is performed for said first recording layer, in an area different from the facing area.

18.(NEW) The information recording medium according to claim 12, wherein said second recording layer has a second predetermined area in which the power calibration is performed for said second recording layer, in an area which is different from the predetermined area and which does not face the facing area.

19.(NEW) The information recording medium according to claim 12, wherein

at least one of said first recording layer and said second recording layer further has a management area to record therein a value of the detected optimum recording power.

20.(NEW) An information recording apparatus for recording record information onto an information recording medium comprising: a first recording layer for recording and a second recording layer for recording, said first recording layer and said second recording layer arranged in this order as viewed from an irradiation side of the laser light, wherein said second recording layer has a predetermined area in which power calibration is performed to detect an optimum recording power of the laser light for recording, which is transmitted through said first recording layer, and said first recording layer has a facing area which faces the predetermined area, the facing area having embossed pits, and light transmittance of the facing area being same as that of a recorded area on said first recording layer,

said information recording apparatus comprising:

a writing device for writing test-writing information into said second recording layer on the basis of the laser light for recording; and

a test-writing control device for controlling said writing device to test-write the test-writing information for the power calibration of the laser light for recording with respect to said second recording layer, in the predetermined area through the facing area.

21.(NEW) An information recording method in an information recording apparatus comprising a writing device for writing test-writing information, for a purpose of recording record information onto an information recording medium comprising: a first recording layer for recording and a second recording layer for recording, said first recording layer and said second recording layer arranged in this order as viewed from an irradiation side of the laser light, wherein said second recording layer has a predetermined area in which power calibration is performed to detect an optimum recording power

of the laser light for recording, which is transmitted through said first recording layer, and said first recording layer has a facing area which faces the predetermined area, the facing area having embossed pits, and light transmittance of the facing area being same as that of a recorded area on said first recording layer,

said information recording method comprising:

a test-writing control process of controlling said writing device to test-write the test-writing information for the power calibration of the laser light for recording with respect to said second recording layer, in the predetermined area through the facing area.

22.(NEW) An information recording medium comprising:

a first recording layer to record therein first information which is at least one portion of record information; and

one or a plurality of second recording layers, which are disposed on said first recording layer, to record therein second information which is at least another portion of the record information, wherein

each of said second recording layers has a predetermined area in which power calibration is performed to detect an optimum recording power of laser light for recording, which is transmitted through said first recording layer and other layers of said second recording layers, said first recording layer, the other layers of said second recording layers, and said each of said second recording layers arranged in this order as viewed from an irradiation side of the laser light, and

in a facing area which faces the predetermined area in the other layers of said second recording layers and said first recording layer, by forming embossed pits, light transmittance of the facing area is made closer to (i) light

transmittance under an assumption that (i-1) the embossed pits are not formed and that (i-2) the other layers and said first recording layer are already recorded, as compared to (ii) light transmittance under an assumption that (ii-1) the embossed pits are not formed and that (ii-2) the other layers and said first recording layer are unrecorded.